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FILE 'USPAT' ENTERED AT 19:24:25 ON 29 MAY 1997
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* W E L C O M E T O T H E *
* U . S . P A T E N T T E X T F I L E *
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=> s (graft? or implant? or prosthe? or tub?) and (fabric or textile or woven)

30431 GRAFT?
49100 IMPLANT?
9896 PROSTHE?
595326 TUB?
89642 FABRIC
36856 TEXTILE
54048 WOVEN
L1 48494 (GRAFT? OR IMPLANT? OR PROSTHE? OR TUB?) AND (FABRIC OR TEX
TIL
E OR WOVEN)
=> s l1 and crimp?
36341 CRIMP?
L2 3124 L1 AND CRIMP?
=> s l2 and wall(p)thick?
624715 WALL
645926 THICK?
115636 WALL(P)THICK?
L3 470 L2 AND WALL(P)THICK?
=> s l3 and 623/clas
8645 623/CLAS
L4 62 L3 AND 623/CLAS
=> d 14 1-62

1. 5,628,783, May 13, 1997, Bifurcated multicapsule intraluminal
grafting system and method; Dinah B. Quiachon, et al., **623/1**;
606/194, 195 [IMAGE AVAILABLE]

2. 5,622,188, Apr. 22, 1997, Method of restoring reduced or absent blood
flow capacity in an artery; Mark Plaia, et al., 128/898; 606/159, 194;
623/1 [IMAGE AVAILABLE]

3. 5,591,229, Jan. 7, 1997, Aortic **graft** for repairing an abdominal
aortic aneurysm; Juan C. Parodi, **623/1**; 606/195; **623/12** [IMAGE
AVAILABLE]

4. RE 35,391, Dec. 3, 1996, **Implantable** **prosthetic** devices;
Daniel Brauman, **623/8**, **11** [IMAGE AVAILABLE]

5. 5,578,072, Nov. 26, 1996, Aortic **graft** and apparatus for repairing an abdominal aortic aneurysm; Hector D. Barone, et al., **623/1**; 606/194, 195 [IMAGE AVAILABLE]
6. 5,578,071, Nov. 26, 1996, Aortic **graft**; Juan C. Parodi, **623/1**; 606/195 [IMAGE AVAILABLE]
7. 5,575,816, Nov. 19, 1996, High strength and high density intraluminal wire stent; James J. Rudnick, et al., **623/1**, **12** [IMAGE AVAILABLE]
8. 5,571,173, Nov. 5, 1996, **Graft** to repair a body passageway; Juan C. Parodi, **623/1**; 606/194; **623/12** [IMAGE AVAILABLE]
9. 5,571,171, Nov. 5, 1996, Method for repairing an artery in a body; Hector D. Barone, et al., **623/1**; 606/195; **623/901** [IMAGE AVAILABLE]
10. 5,571,169, Nov. 5, 1996, Anti-stenotic method and product for occluded and partially occluded arteries; Mark Plaia, et al., **623/1**; 128/898; 606/7, 194, 205 [IMAGE AVAILABLE]
11. 5,562,726, Oct. 8, 1996, Expandable transluminal **graft** **prosthesis** for repair of aneurysm and method for **implanting**; Timothy A. Chuter, **623/1**; 606/194, 195 [IMAGE AVAILABLE]
12. 5,549,664, Aug. 27, 1996, Artificial blood vessel; Yoshimi Hirata, et al., **623/1**; 600/36; **623/12** [IMAGE AVAILABLE]
13. 5,545,212, Aug. 13, 1996, Artificial blood vessel; Sobei Wakabayashi, et al., **623/1**, **11**, **12** [IMAGE AVAILABLE]
14. 5,531,998, Jul. 2, 1996, Polycarbonate-based block copolymers and devices; Frank Mares, et al., 424/426, 443, 444; 428/35.7, 36.1, 308.4, 397, 398, 399, 400; 442/49, 194, 308; 606/231, 232; **623/7** [IMAGE AVAILABLE]
15. 5,527,353, Jun. 18, 1996, **Implantable** **tubular** **prosthesis**; Peter J. Schmitt, **623/1**, **12** [IMAGE AVAILABLE]
16. 5,522,880, Jun. 4, 1996, Method for repairing an abdominal aortic aneurysm; Hector D. Barone, et al., **623/1**; 606/195; **623/12** [IMAGE AVAILABLE]
17. 5,522,879, Jun. 4, 1996, Piezoelectric biomedical device; Angelo G. Scopelianos, **623/1**; 128/898; 602/41, 42; 606/152; **623/11**, **12** [IMAGE AVAILABLE]

18. 5,509,931, Apr. 23, 1996, Ravel-resistant self-supporting **woven** vascular **graft**; Peter J. Schmitt, **623/1**, **12** [IMAGE AVAILABLE]
19. 5,496,364, Mar. 5, 1996, Self-supporting **woven** vascular **graft**; Peter J. Schmitt, **623/1**, **12** [IMAGE AVAILABLE]
20. 5,486,593, Jan. 23, 1996, Medical devices fabricated from copolymers having recurring carbonate units; Regianld T. Tang, et al., 528/370; 524/113, 114; 528/271, 371; 602/48; 606/230; **623/15** [IMAGE AVAILABLE]
21. 5,397,348, Mar. 14, 1995, Mechanical heart valve with compressible stiffening ring; Louis A. Campbell, et al., **623/2**, 137/527 [IMAGE AVAILABLE]
22. 5,387,235, Feb. 7, 1995, Expandable transluminal **graft** **prosthesis** for repair of aneurysm; Timothy A. Chuter, **623/1**, 604/96; 606/194; **623/12** [IMAGE AVAILABLE]
23. 5,385,580, Jan. 31, 1995, Self-supporting **woven** vascular **graft**; Peter J. Schmitt, **623/1**, **12** [IMAGE AVAILABLE]
24. 5,383,929, Jan. 24, 1995, **Implantable** **prosthetic** device; Walter J. Ledergerber, **623/8**, **11**, **12** [IMAGE AVAILABLE]
25. 5,370,682, Dec. 6, 1994, Solid **woven** **tubular** **prosthesis**; Peter J. Schmitt, **623/1**, 600/36; **623/12** [IMAGE AVAILABLE]
26. 5,360,443, Nov. 1, 1994, Aortic **graft** for repairing an abdominal aortic aneurysm; Hector D. Barone, et al., **623/1**, 606/194, 195; **623/12** [IMAGE AVAILABLE]
27. 5,311,884, May 17, 1994, Process for making a piezoelectric biomedical device; Angelo G. Scopelianos, 128/898; 264/435, 441; 526/255; 600/36; **623/1**, **12** [IMAGE AVAILABLE]
28. 5,298,276, Mar. 29, 1994, Process for producing artificial blood vessels of controlled permeability and product produced thereby; Swaminathan Jayaraman, 427/2.25, 365; **623/1** [IMAGE AVAILABLE]
29. 5,282,856, Feb. 1, 1994, **Implantable** **prosthetic** device; Walter J. Ledergerber, **623/8**, **11** [IMAGE AVAILABLE]
30. 5,282,848, Feb. 1, 1994, Self-supporting **woven** vascular **graft**; Peter J. Schmitt, **623/1**, **12**, **13** [IMAGE AVAILABLE]
31. 5,282,846, Feb. 1, 1994, Ravel-resistant, self-supporting **woven** vascular **graft**; Peter J. Schmitt, **623/1**, **12**, **13** [IMAGE

AVAILABLE]

32. 5,274,074, Dec. 28, 1993, Medical devices fabricated from homopolymers and copolymers having recurring carbonate units; Reginald T. Tang, et al., 528/370; 442/301, 414; 524/113, 114; 525/410, 413, 461, 462; 528/86, 230, 271, 354, 359, 361, 371; 602/48; **623/15** [IMAGE AVAILABLE]

33. 5,256,764, Oct. 26, 1993, Medical devices fabricated from homopolymers and copolymers having recurring carbonate units; Reginald T. Tang, et al., 528/370; 442/193, 194, 195, 196, 301, 304, 309, 320, 336, 337, 338, 414; 524/113, 114; 525/410, 413, 461, 462; 528/86, 230, 271, 354, 359, 361, 371; 602/48; **623/15** [IMAGE AVAILABLE]

34. 5,178,630, Jan. 12, 1993, Ravel-resistant, self-supporting **woven** **graft**; Peter J. Schmitt, **623/1**; **11** [IMAGE AVAILABLE]

35. 5,084,064, Jan. 28, 1992, Surgical cuff; Jacob H. Barak, et al., **623/1** [IMAGE AVAILABLE]

36. 5,004,474, Apr. 2, 1991, **Prosthetic** anterior cruciate ligament design; David M. Fronk, et al., **623/13** [IMAGE AVAILABLE]

37. 4,997,440, Mar. 5, 1991, Vascular **graft** with absorbable and nonabsorbable components; Barry L. Dumican, **623/1**; 606/230, 231; **623/11**; **13** [IMAGE AVAILABLE]

38. 4,963,150, Oct. 16, 1990, **Implantable** **prosthetic** devices; Daniel Brauman, **623/8**; **11** [IMAGE AVAILABLE]

39. 4,955,907, Sep. 11, 1990, **Implantable** **prosthetic** device; Walter J. Ledengerber, **623/8**; **11** [IMAGE AVAILABLE]

40. 4,954,126, Sep. 4, 1990, **Prosthesis** comprising an expandible or contractile **tubular** body; Hans I. Wallsten, 600/36; 606/191, 198; **623/1** [IMAGE AVAILABLE]

41. 4,950,293, Aug. 21, 1990, **Prosthetic** ligamentary device; Jonathan P. Beacon, et al., **623/13** [IMAGE AVAILABLE]

42. 4,923,470, May 8, 1990, **Prosthetic** **tubular** article made with four chemically distinct fibers; Barry L. Dumican, **623/11**; 606/230; **623/1**; **13**; **66** [IMAGE AVAILABLE]

43. 4,919,667, Apr. 24, 1990, **Implant**; James W. Richmond, **623/18**; **20** [IMAGE AVAILABLE]

44. 4,871,365, Oct. 3, 1989, Partially absorbable **prosthetic** **tubular** article having an external support; Barry L. Dumican, **623/11**, **11**, **13**, **66** [IMAGE AVAILABLE]
45. 4,820,303, Apr. 11, 1989, **Implantable** **prosthetic** devices; Daniel Brauman, **623/8**, **11** [IMAGE AVAILABLE]
46. 4,775,380, Oct. 4, 1988, Surgical replacement of ligaments; Bahaa B. Seedhom, et al., **623/12**, **13**, **18** [IMAGE AVAILABLE]
47. 4,743,250, May 10, 1988, Artificial blood vessel and method of manufacture; Hideaki Kitagawa, et al., **623/1***, **66** [IMAGE AVAILABLE]
48. 4,729,766, Mar. 8, 1988, Vascular **prosthesis** and method in producing it; Sven E. Bergentz, et al., **623/1***, 219/121.69 [IMAGE AVAILABLE]
49. 4,718,907, Jan. 12, 1988, Vascular **prosthesis** having fluorinated coating with varying F/C ratio; Theodore Karwoski, et al., **623/12***, 204/169; 427/2.25, 255.6, 296, 490; 428/395, 421; **623/1***, **66** [IMAGE AVAILABLE]
50. 4,655,771, Apr. 7, 1987, **Prosthesis** comprising an expandible or contractile **tubular** body; Hans I. Wallsten, **623/1***, 604/281, 282; 606/198; **623/12**, **66** [IMAGE AVAILABLE]
51. 4,655,769, Apr. 7, 1987, Ultra-high-molecular-weight polyethylene products including vascular **prosthesis** devices and methods relating thereto and employing pseudo-gel states; Anagnostis E. Zachariades, **623/1***, 138/103, 129; 264/41, 288.8, 299, 331.15; 521/64, 143; **623/16** [IMAGE AVAILABLE]
52. 4,652,264, Mar. 24, 1987, **Prosthetic** **tubular** article; Barry L. Dumican, **623/1***, **11**, **66** [IMAGE AVAILABLE]
53. 4,652,263, Mar. 24, 1987, Elasticization of microporous **woven** **tubes**; Steve A. Herweck, et al., **623/1***, 139/421 [IMAGE AVAILABLE]
54. 4,648,880, Mar. 10, 1987, **Implantable** **prosthetic** devices; Daniel Brauman, **623/8** [IMAGE AVAILABLE]
55. 4,629,458, Dec. 16, 1986, Reinforcing structure for cardiovascular **graft**; Leonard Pinchuk, **623/1***, **66** [IMAGE AVAILABLE]
56. 4,594,998, Jun. 17, 1986, Penile **prosthesis** of improved malleable construction; Christopher H. Porter, et al., 600/40; **623/66**

[IMAGE AVAILABLE]

57. 4,552,707, Nov. 12, 1985, Synthetic vascular **grafts**, and methods of manufacturing such **grafts**; Thien V. How, 264/441, 8, 40.7, 103, 121, 209.2, 309, 310, 465, 479, 484; **623/1** [IMAGE AVAILABLE]

58. 4,193,137, Mar. 18, 1980, Warp-knitted double-velour **prostheses**; Rudolf N. Heck, **623/1**; 66/194, 195, 203 [IMAGE AVAILABLE]

59. 4,167,045, Sep. 11, 1979, Cardiac and vascular **prostheses**; Philip N. Sawyer, **623/1**; 427/2.24, 2.25, 124, 125, 250, 430.1; **623/2**; **3** [IMAGE AVAILABLE]

60. 3,902,198, Sep. 2, 1975, Method of replacing a body part with expanded porous polytetrafluoroethylene; Peter B. Cooper, **623/8**; 128/DIG.14 [IMAGE AVAILABLE]

61. 3,853,462, Dec. 10, 1974, COMPACTION OF POLYESTER **FABRIC** MATERIALS; Ray E. Smith, 8/130.1, DIG.21; 66/170; **623/12** [IMAGE AVAILABLE]

62. 3,797,047, Mar. 19, 1974, ARTIFICIAL TENDON; Jean Pillet, **623/13**; 128/DIG.21 [IMAGE AVAILABLE]

=> s crimp(p)frequenc?

10919 CRIMP

334929 FREQUENC?

L5 285 CRIMP(P) FREQUENC?

=> s 14 and 15

L6 0 L4 AND L5

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